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U. S. DEPARTMENT OF AGRICULTURE

Office of Information

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These pictures were taken for USDA's
Agricultural Marketing Service



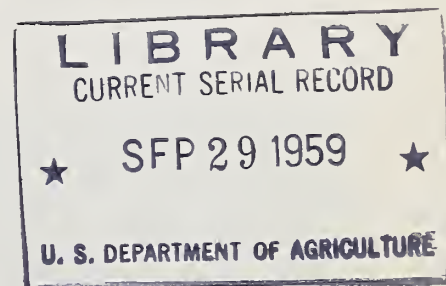
M-3552--Farmer checks alfalfa field prior to mowing.

ALFALFA

HAYING

DEHYDRATING

MILLING



N-29921--Side delivery rake putting cut alfalfa into windrows is followed by tractor-drawn pickup baler. Baled hay is towed on flat sled behind baler.



N-29924--This modern alfalfa dehydrating plant near Lawrence, Kansas, has facilities for receiving, dehydrating, pelleting, bagging, and inert gas storage. Inert gas in steel storage tanks preserves vitamin content of the alfalfa.

Magazines and newspapers may obtain glossy prints of any of these photographs from the Photography Division, Office of Information, U. S. Department of Agriculture, Washington 25, D. C. Others may purchase prints (8 x 10) at \$1.00 each from the same address.



N-29912--Farmer preparing land for planting alfalfa. This attachment - a soil surgeon - levels the surface and breaks up clods in one operation.



N-29922--Windrowing mown alfalfa with a tractor-drawn side delivery rake.



N-29923--Hay from this automatic pickup baler being placed on flat sled.



N-29919-- Farm hands loading baled hay from flat sled onto a tractor take-off powered elevator for storage in a hay barn.



N-29920--Farmer discusses hay prices with market news reporter. Hay market news is a service of the Grain Division of USDA's Agricultural Marketing Service.



N-29907--Self-propelled harvester mows and chops alfalfa which is then blown into the attached trailer.



N-29935--This self-propelled cutter-chopper pulls a live bottom trailer.



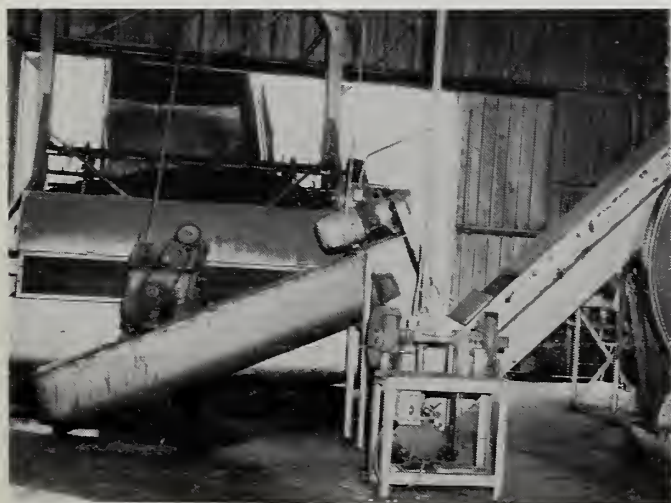
N-29933--A filled live bottom trailer empties chopped alfalfa by an endless belt into a waiting truck for transportation to a dehydrating mill.



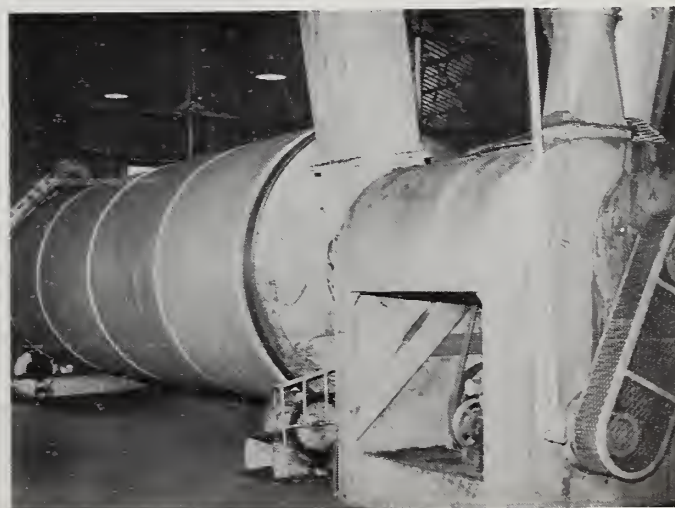
N-29913--Truck on unloading ramp dumps chopped alfalfa into hopper of an outdoor dehydrating drum.



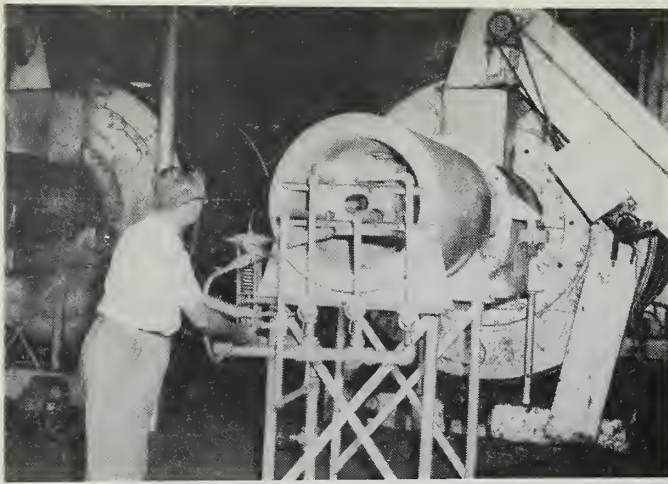
N-29916--This truck unloads freshly cut alfalfa into conveyor at a dehydrating plant.



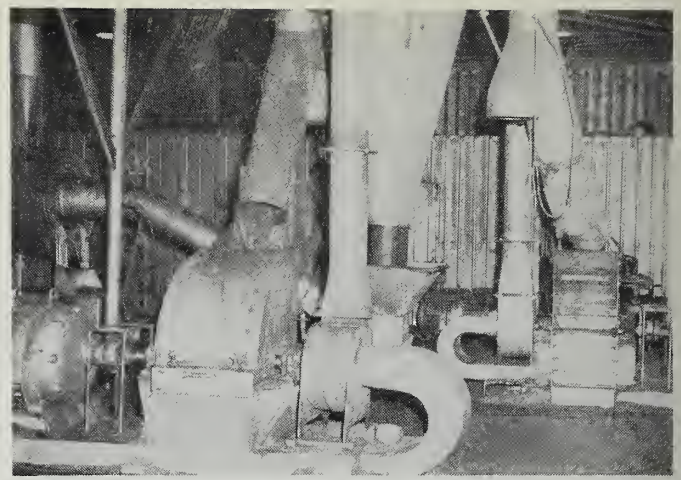
N-29927--Conveyor hopper feeds chopped alfalfa into a dehydrating drum.



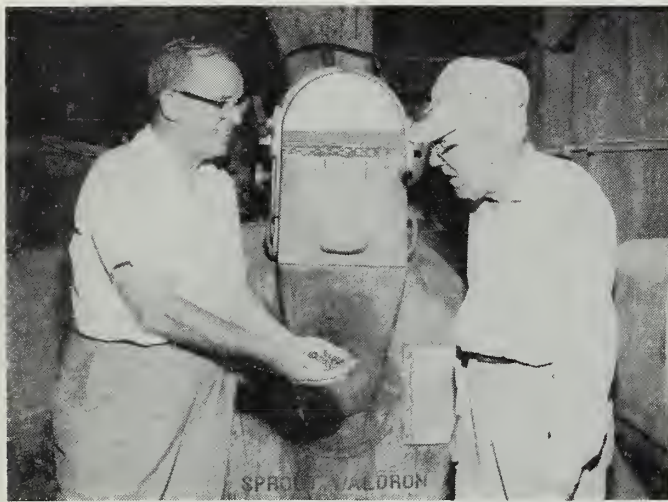
N-29928--Revolving drum dries freshly cut alfalfa. Temperature of the oil-fed flames in the dehydrating drum must be controlled to dry the alfalfa sufficiently without scorching it.



N-29925--The automatic heater shown here controls the flames and maintains a constant temperature in the revolving dehydrating drum.



N-29929--Dried alfalfa from the dehydrating drum is fed directly to this hammermill which chops the alfalfa into meal.



N-29930--Plant manager and pellet machine operator examine 1/4-inch alfalfa pellets as they emerge from the machine.



N-29915--A screw conveyor at a rural dehydrating plant loads alfalfa pellets into a railroad hopper car. Pellets will then be shipped to a plant with inert gas storage facilities.



N-29931--Steel storage tanks are filled with alfalfa pellets. Tanks are then put under two "water" ounces of inert gas pressure. This prevents oxidation of vitamins A, E, and K and protects chlorophyll content of the pellets.